

# Notice of Allowability

Application No.

09/428,284

Examiner

Bradley B. Bayat

Applicant(s)

HOLMES ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 8/10/2007.
2. ☒ The allowed claim(s) is/are 1-20,22,24-33,35-50,52-54 and 56.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on August 10, 2007 has been entered.

### ***Information Disclosure Statement***

The information disclosure statements (IDS) submitted on 8/10/2007 and 2/17/2000 are in compliance with the provisions of 37 CFR 1.97 and therefore considered by the examiner.

### ***Allowable Subject Matter***

Claims 1-20, 22, 24-33, 35-50, 52-54 and 56 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art fails to suggest, teach, or disclose each and every limitation of the independent claims.

Independent Claim 1 of the present invention reads as follows

In a computer-implemented system for managing financial transactions, a method for applying an exchange rate to convert a transaction from a first currency to a second currency, comprising:

*receiving, by a computer system, a financial transaction, including a date and a transaction amount in the first currency;*

*accessing, by the computer system, an electronically stored plurality of historical exchange rates for the first currency with respect to the second currency, each historical exchange rate corresponding to a time period;*

*if the date of the received financial transaction corresponds to a time period of one of the historical exchange rates, automatically selecting, by the computer system, the historical exchange rate;*

*if the date of the received financial transaction does not correspond to a time period of one of the historical exchange rates, automatically selecting, by the computer system, a historical exchange rate having a most recent time period among available historical exchange rates having time periods prior to the date of the received financial transaction;*

*automatically applying, by the computer system, the selected historical exchange rate to the received financial transaction, to derive a converted transaction amount in the second currency; and*

*performing at least one of the steps of: storing the converted transaction amount in a storage medium; and outputting the converted transaction amount.*

The closest prior art of record is Nemzow (US 2001/0011241 A1). Nemzow discloses a method and apparatus for localizing currency valuation independent of the original and objective currencies. The system takes as input the starting currency, a target currency and transactions rules. The system maintains a database of currency rates, currency histories, conversion rules and currency representation data.

Optimization and backtracking techniques are used to deal with partial rate information and to find optimal valuations involving a chain of currency translations. In addition conversion rules can be customized in response to the user inputs and the transaction rules, including matching the user inputs against user specified conversion rule, a table of currency conversion rates or a data base with currency conversion tables.

However, Nemzow does not explicitly disclose or teach a technique for handling the conditions addressed by the method claimed herein. Specifically, there is no discussion in Nemzow of selecting a historical exchange rate having a most recent time period among available historical exchange rates having time periods prior to the date of the received financial transaction.

With respect to the conversion rules, Nemzow discusses customizing conversion rules in response to user inputs and transaction rules, including matching user inputs against conversion rules, currency conversion rate tables, or a currency conversion rate database. Methods for maintaining the database are discussed. Customization of conversion rules are also discussed, including reconciling currency price differences, handling triangulation discrepancies, computing a balance sheet, or systematic work-in-progress contra-asset category for rounding errors. However, these concepts do not explicitly teach or suggest the specific conditions recited in the independent claims, as to whether the date of a financial transaction corresponds to a time period of a historical exchange rate. Furthermore, none of these concepts are directed to selecting and applying an exchange rate associated with a time period that precedes a transaction date.

While Nemzow discloses a broad based currency translation system with user specified rules, the very specific conditions of;

*if the date of the received financial transaction corresponds to a time period of one of the historical exchange rates, automatically selecting, by the computer system, the historical exchange rate;*

*if the date of the received financial transaction does not correspond to a time period of one of the historical exchange rates, automatically selecting, by the computer*

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*system, a historical exchange rate having a most recent time period among available historical exchange rates having time periods prior to the date of the received financial transaction;*

With both these conditions necessarily present in the current invention, it appears that the specific limitations of the claims are allowable over Newzow.

Kokkida (US PAT 6,065,673) discloses a method and apparatus for performing currency conversions. A value in a first currency is calculated in terms of a desired second currency by entering the value of the first currency into a controller of a receiver, such as a mobile telephone or other similar device. Furthermore, one object of the present invention is to provide means of which a user of a mobile telephone can be provided with information of latest exchange rates. However, Kokkida does not disclose or suggest the aforementioned steps of the present invention, namely

*if the date of the received financial transaction corresponds to a time period of one of the historical exchange rates, automatically selecting, by the computer system, the historical exchange rate;*

*if the date of the received financial transaction does not correspond to a time period of one of the historical exchange rates, automatically selecting, by the computer system, a historical exchange rate having a most recent time period among available historical exchange rates having time periods prior to the date of the received financial transaction;*

Specifically, while Kokkida discloses converting currencies in real time with current exchange rates, there is not mention of utilizing historical exchange rates, nor any mention of how to deal with partial and/or missing information. With both these conditions necessarily present in the current invention, it appears that the specific limitations of the claims are allowable over Kokkida.

Non Patent Literature made of record is Comprehensive Multi-Currency Portfolio Management [online]. May 8, 1999. )Captools Company [retrieved on 2003-02-21]. 2 Pages.). This article discloses that multi-national and multi-currency investing has long been a common practice outside the United States and that recently investors in the United States have taken notice. The Captools Company allows investors to track investment assets that are denominated in more than one currency, including currency revaluations, options to enter information in multiple currencies, and storage of data in both a unique currency and a standard currency for that portfolio. However the article does not make up for the deficiencies of the previously stated prior art with regards to the conditional limitations of the present invention with regard to historical exchange rates and the selection of a most recent one when information is missing.

Because the prior art does not explicitly teach, disclose or suggest each and every limitation of the independent claim, it is submitted that the present invention is allowable over the prior art. While the reasons for allowance were discussed only with regard to independent claim 1, the remaining independent claims all recite at least the aforementioned allowable limitations and are therefore allowable over the prior art by the same rationale.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley B. Bayat whose telephone number is 571-272-6704. The examiner can normally be reached on Tuesday-Friday 8 a.m.-6:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Fischer can be reached on 571-272-6779. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Bradley Bayat', with a stylized flourish at the end.

Bradley B. Bayat  
Primary Examiner  
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